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| 09/487,187      | 01/19/2000  | Geroge R. Blakley III | AUS000066US1        | 2877             |

7590

11/21/2002

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EXAMINER

BURGESS, BARBARA N

ART UNIT

PAPER NUMBER

2157

DATE MAILED: 11/21/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

AO

## Office Action Summary

Application No.

09/487,187

Applicant(s)

BLAKLEY III ET AL.

Examiner

Barbara N Burgess

Art Unit

2157

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2000.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

Art Unit: 2157

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

1. Claim 1 is rejected under U.S.C. 102(e) as being anticipated by Grantges, Jr.

As per claim 1, Grantges discloses a method of enabling a client terminal user to access target resources managed by a set of resource managers within an enterprise computing environment, comprising:

- Authenticating the user to establish a user primary identity (column 2, lines 64-66);
- Mapping the user primary identity to a set of user secondary identities (column 5, lines 65-67, column 8, lines 53-59, 62-65);
- Authenticating the user to the resource managers using the set of user secondary identities (column 4, lines 49-52);
- Following authentication using the set of user secondary identities, forwarding resource requests to the resource managers (column 3, lines 26-28);
- Returning replies received from the resource managers back to the user (column 7, lines 13-14, 17-20).

As per claim 2, Grantges discloses:

- The user primary identity is mapped to the set of user secondary identities by a sign-on service (column 8, lines 53-56).

As per claim 3, Grantges discloses:

Art Unit: 2157

- Authenticating the step of authenticating a trusted server to the sign-on service prior to mapping the user primary identity to the set of user secondary identities (column 5, lines 40-42).

As per claim 4, Grantges discloses:

- The trusted server is authenticated to the sign-on service before the step of authenticating the user to establish the user primary identity (column 5, lines 40-42).

As per claim 5, Grantges discloses:

- Trusted server is authenticated to the sign-on service after the step of authenticating the user to establish the user primary identity (column 5, lines 40-42).

As per claim 6, Grantges discloses:

- The user is authenticated to establish the user primary identity using an authentication service associated with the trusted server (column 5, lines 65-67, column 8, lines 53-59, 62-65)

As per claim 8, Grantges discloses:

- The client terminal user accesses the enterprise computing environment over the Internet (column 2, lines 65-67).

As per claim 9, Grantges discloses:

Art Unit: 2157

- The user is authenticated to a given resource manager using an authentication service associated with the given resource manager (column 4, lines 49-52)

As per claim 10, Grantges discloses a method for enabling a client terminal user to access target resources managed by a set of resource managers operative within an enterprise computing environment, wherein the environment has an associated sign-on service, comprising:

- Responsive to a request received from a user of the client terminal, authenticating the user to establish an identity (column 2, lines 64-66);
- Using the identity, accessing the sign-on service to retrieve a set of stored user authentication information (column 5, lines 65-67, column 8, lines 53-59, 62-65);
- Performing a sign-on to the set of resource managers using the retrieved user authentication information (column 4, lines 49-52);
- Forwarding the request to a given resource manager (column 3, lines 26-28);
- Forwarding a reply received from the given resource manager back to the user (column 7, lines 13-14, 17-20).

As per claim 11, Grantges discloses a method for enabling a client terminal user to access target resources managed by a set of resource managers operative within an enterprise computing environment, wherein the environment has an associated sign-on service, comprising:

Art Unit: 2157

- Having the client terminal user perform primary logon to an intermediary server to establish a user primary identity (column 2, lines 64-66);
- Having the intermediary server pass the user's primary identity to the sign-on service and in response, obtaining a set of user secondary identities that may be used in enabling the intermediary server to represent the client terminal user to the resource managers (column 5, lines 65-67, column 8, lines 53-59, 62-65);
- Having the intermediary server perform a secondary logon to a first resource manager using a first user secondary identity (column 4, lines 49-52);
- Having the intermediary server perform a secondary logon to a second resource manager using a second user secondary identity (column 4, lines 49-52);
- Having the intermediary server perform resource requests at the first and second resource managers under the respective secondary identities (column 4, lines 49-52);
- Forwarding responses back to the client terminal user (column 7, lines 13-14, 17-20).

As per claim 12, discloses in an enterprise computing environment having a set of resource managers and a sign-on service, the improvement comprising:

- A server for authenticating a user to establish a user primary account (column 2, lines 64-66);

Art Unit: 2157

- A server for cooperating with the sign-on service to delegate the user primary account to a set of user secondary accounts (column 5, lines 65-67, column 8, lines 53-59, 62-65);
- A server for logging onto the set of resource managers using the user secondary accounts (column 4, lines 49-52);
- A server for passing resource requests from the user to the resource managers under the user secondary accounts (column 3, lines 26-28);

As per claim 13, Grantges discloses:

- The server passes replies to the resource requests back to the user (column 7, lines 13-14, 17-20).

As per claims 14 and 21, Grantges discloses in an enterprise computing environment having a set of resource managers and a sign-on service, comprising:

- Means for authenticating a user to establish a user primary account (column 2, lines 64-66);
- Means for authenticating the server to the sign-on service (column 5, lines 40-42).
- Means for logging onto the set of resource managers using a set of user secondary accounts returned from the sign-on service (column 4, lines 49-52);
- Means for passing resource requests and associated replies between the user and the resource managers (column 3, lines 26-28, column 7, lines 13-14, 17-20).



Art Unit: 2157

As per claim 15, discloses:

- Means for load balancing resource requests passed to a set of instances of a given resource manager (

As per claim 16, Grantges discloses a system comprising:

- A set of resource managers (column 7, lines 14-20);
- A sign-on service (column 8, lines 53-56);
- A server comprising means for authenticating a user to establish a user primary account, cooperating with the sign-on service to delegate the user primary account to a set of user secondary accounts, logging onto the set of resource managers using the user secondary accounts, passing resource requests from the user to the resource managers under the user secondary accounts (column 2, lines 64-66, column 4, lines 49-52, column 7, lines 13-14, 17-20).

As per claim 17, Grantges discloses:

- At least one resource manager comprises a set of instances (column 9, lines 6-14).

As per claim 19, Grantges discloses:

- The server comprises a set of instances (column 9, lines 6-14).

As per claim 20, Grantges discloses:

- A manager that manages the set of server instances (column 9, lines 6-14).

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 7, 15, and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grantges in view of Brendel et al. (hereinafter "Brendel", 5,774,660).

As per claims 7, 15, and 18, Grantges does not explicitly disclose load balancing resource requests across a set of instances of a given resource manager. However, in an analogous art, Brendel discloses load balancing performed among nodes that have the requested resource (column 22, lines 65-67).

Therefore, one of ordinary skill in the art at the time the invention was made would have found it obvious to implement or incorporate load balancing in Grantges's method in order to avoid bottleneck and single point of failure and increase the efficiency of the system.

***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Art Unit: 2157

U.S. Patent No. 5,586,260

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Barbara N Burgess whose telephone number is (703) 305-3366. The examiner can normally be reached on M-F (8:00am-4:00pm).

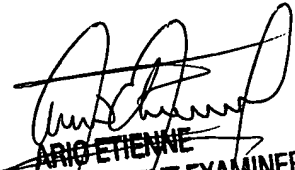
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Ettinene can be reached on (703) 308-7562. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7240 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Barbara N Burgess  
Examiner  
Art Unit 2157

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November 18, 2002

  
ARIO ETIENNE  
SUPERVISORY PATENT EXAMINER  
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